

Getting to Know Your Research Data Management Librarian

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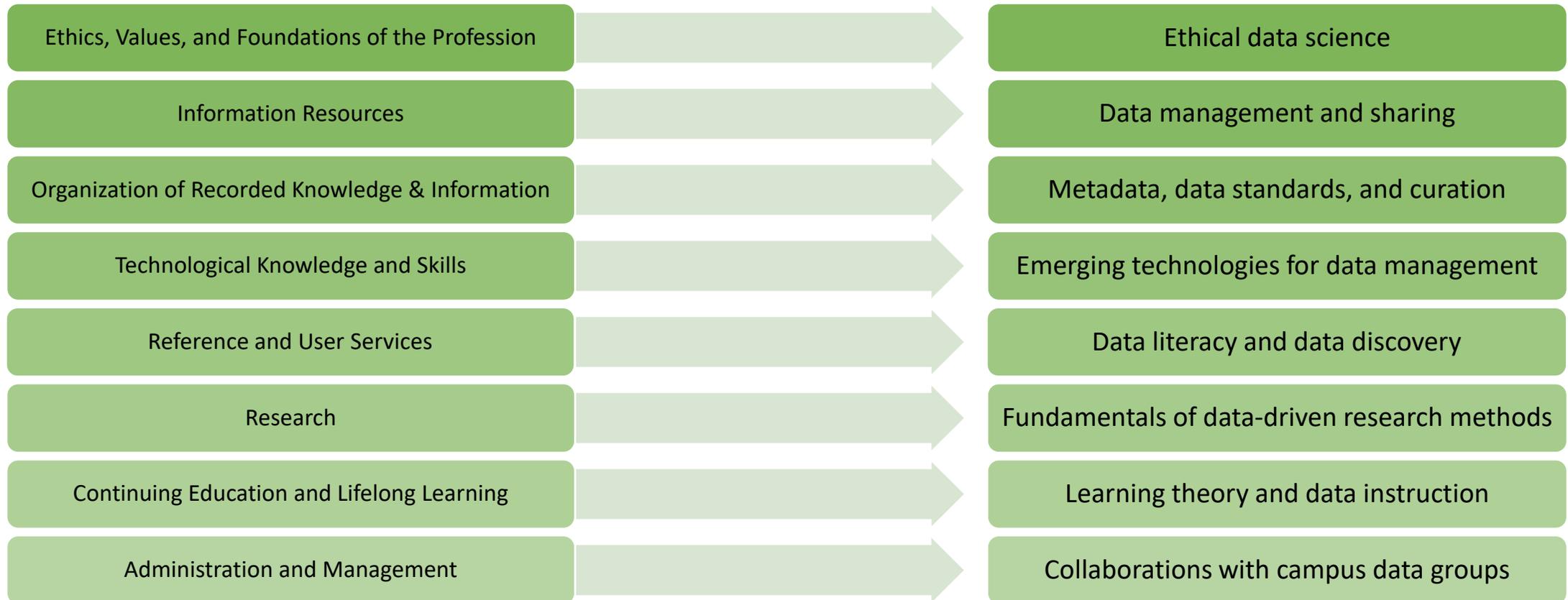
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Librarians can help

You might be surprised what librarians do!

American Library Association core competencies



Medical Library Association Data Services Specialization

1. Applies principles of data literacy

- Level I: Finds, interprets, and manages data according to ethical principles
- Level II: Critically appraises data and data collection methods

2. Establishes and advances data services

- Level I: Collects and uses knowledge of institutional and research context to initiate institutionally relevant data services
- Level II: Evaluates and expands upon existing data services by developing partnerships and becoming integrated into the institutional research environment

3. Supports research data best practices across the data lifecycle

- Level I: Provides guidance on generalizable, domain-agnostic research data best practices
- Level II: Identifies and implements domain-specific research data best practices

4. Applies knowledge of research methods, ethics and rigor, and open science practices

- Level I: Applies a basic understanding of scientific method and ethical and sound research practices to data-related problems, encouraging open science practices when appropriate
- Level II: Applies specialized knowledge of one or more scientific disciplines and research methods to advanced, domain-specific data-related problems

5. Provides training and consultation on data-related topics

- Level I: Develops and delivers instruction to enhance data literacy and skills
- Level II: Provides customized discipline- and context-specific training on advanced data-related topics, including those requiring computational approaches

Libraries offering DMSP services (n = 29)

Service	% of libraries currently offering	% of libraries planning to offer within the next year
Understanding the requirements of the DMS Policy	79%	7%
Communicating the policy requirements to researchers	72%	3%
Writing a data management and sharing plan	52%	7%
Identifying an appropriate repository for sharing data	83%	7%
Identifying appropriate metadata standards for research data	41%	19%
Ensuring informed consent documents are appropriate for the level of data sharing in a study	15%	7%
Identifying privacy and confidentiality protections that may apply to data, such as HIPAA and other policies and regulations	25%	7%
Identifying appropriate mechanisms for controlling access to human or other sensitive data	22%	7%

Librarians' preparedness (n = 69)

Service	% of librarians feeling very or somewhat prepared
Communicating the policy requirements to researchers	94%
Reviewing a data management and sharing plan	90%
Identifying an appropriate repository for sharing data	86%
Identifying appropriate metadata standards for research data	49%
Ensuring informed consent documents are appropriate for the level of data sharing in a study	39%
Identifying privacy and confidentiality protections that may apply to data, such as HIPAA and other policies and regulations	51%
Identifying appropriate mechanisms for controlling access to human or other sensitive data	49%

Data Curation Network

<https://datacurationnetwork.org/>

Open. We share data curation techniques that are practical, transparent and available to all.

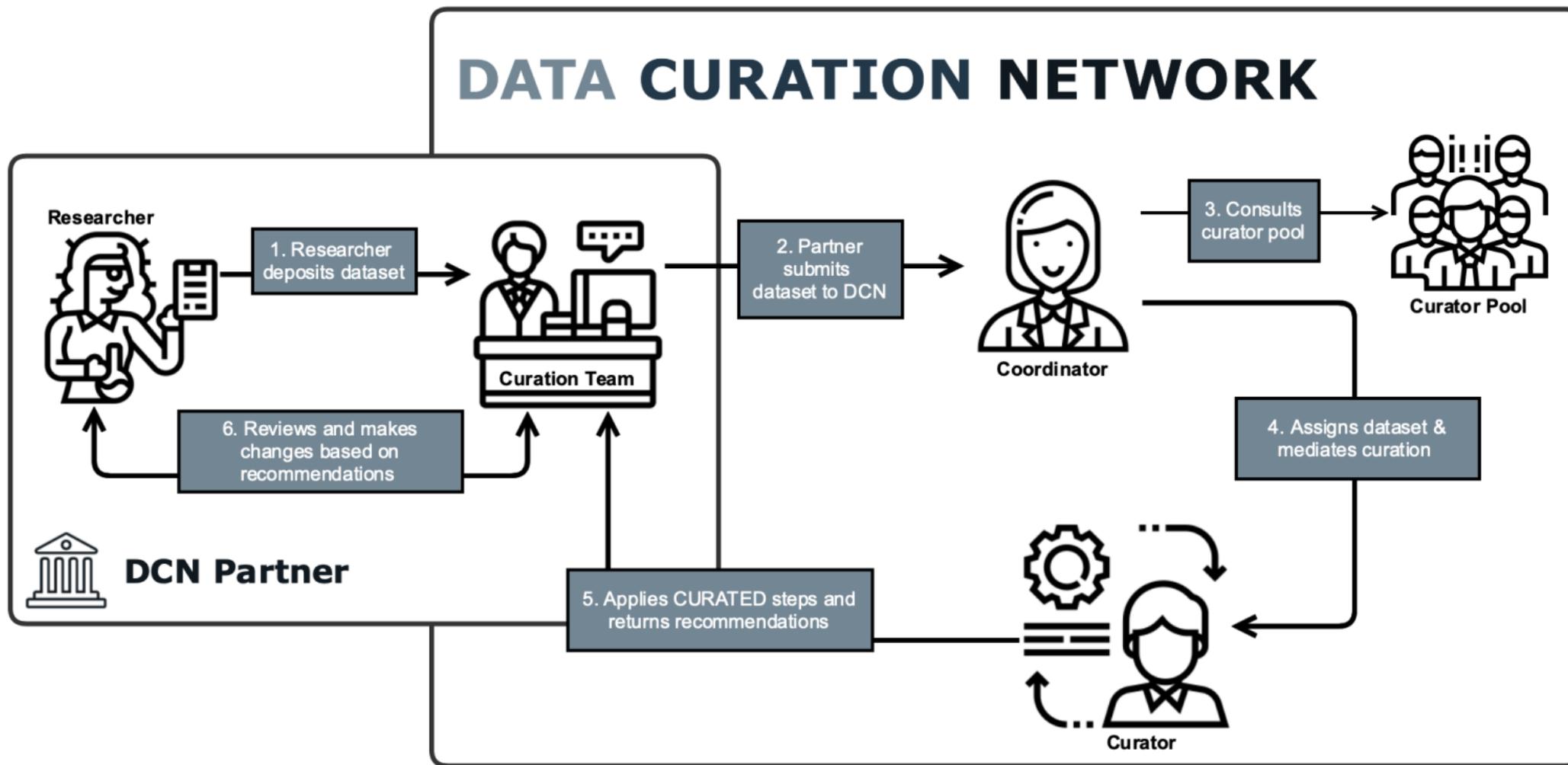
Trusted. We add value to data while maintaining data integrity and upholding the ethical responsibilities of data sharing.

Inclusive. We foster an accessible and welcoming environment to equitably support all participants.

Collaborative. We build an innovative community of practice for data curation.

Empowering. We advocate for data professionals by providing a pipeline for training data curators, promoting data curation practices and enriching capacities for data curation writ large.

DATA CURATION NETWORK



DCN CURATE(D) model

Check files
Understand documentation
Request missing information
Augment the submission
Transform the format
Evaluate for FAIRness
Document throughout



<https://datacurationnetwork.org/resources/workflows/>

NNLM's National Center for Data Services (NCDS)



Guides and resources for building capacity for data-driven research



Classes and training on data-related topics



Summer internship for graduate students interested in data librarianship

Questions?

